

## THERMO-DYNAMICS AND THEORY OF THE STEAM ENGINE.

*Text Books and Books of Reference.*—Von Ott—Graphic Statics (a)  
 DuBois—Graphical Statics.  
 Wood—Resistance of Materials.  
 “ Bridges and Roofs.  
 Rankine—Applied Mechanics (b), (c).  
 Rankine—Steam Engine and other  
 Prime Movers.  
 Unwin—Elements of Machine Design.  
 Shann—Elementary Treatise on Heat  
 (c).  
 Jackson—Hydraulic Manual (c).  
 Neville—Hydraulic Tables and For-  
 mulae (c).

Fee for Special Students, \$15.

## (V.) PRINCIPLES OF MECHANISM.

Principles of the Transmission of Motion without reference to force :—

Pitch Surfaces, Spur Wheels, Bevel Wheels, Skew-bevel Wheels,  
 Trains of Wheelwork, Teeth of Wheels, Cams, Cranks,  
 Eccentrics, Links, Bands and Pulleys, Hydraulic Con-  
 nections, Frictional Gearing, Link Motion for Slide Valves,  
 etc., etc.

*Text Books and Books of Reference.*—Rankine—Machinery and Millwork.  
 Camus—Teeth of Wheels.  
 MacCord—Slide Valve and Eccentric.  
 Goddeve—Elements of Mechanism.

Fee for Special Students, \$15.

The foregoing comprises the work to which the lectures and practical instruction will be principally confined. In addition, the Student will be required to obtain, by reading and observation during his course, a certain amount of information regarding the processes and details of Engineering Works, as below :